

DOE/ID-10913
Revision 0
Project No. 23037
April 2004

***Site 009 Track 1 Decision Documentation
Package, Operable Unit 10-08***

**Site 009 Track 1 Decision Documentation Package,
Operable Unit 10-08**

April 2004

**Prepared for the
U.S. Department of Energy
Idaho Operations Office**

**DECISION DOCUMENTATION PACKAGE
COVER SHEET**

Prepared in accordance with

**TRACK 1 SITES:
GUIDANCE FOR ASSESSING
LOW PROBABILITY HAZARD SITES
AT THE INEL**

Site Description: Debris South of Highway 33, East of Test Area North (TAN)

Site ID: 009 **Operable Unit:** 10-08

Waste Area Group: 10

I. SUMMARY – Physical description of the site:

Site 009 is a small trash pile located east of Test Area North (TAN), approximately 0.3 mi before mile marker 39 and 450 yd south of Highway 33. The site is located in the northeastern section of the Idaho National Engineering and Environmental Laboratory (INEEL), approximately 6 mi east of TAN and 6 mi west of the Mud Lake, Idaho, area. A dirt track that leads to the site begins just west of the 600 East and Highway 33 intersection. Site 009 was originally listed as part of an environmental baseline assessment in 1994 and identified as a potential new waste site in 1995. In accordance with Management Control Procedure -3448, "Reporting Potentially Hazardous Waste Sites," a new site identification form was completed for this site. As part of the identification and reporting process, a field team wrote a site description and collected photographs and global positioning system (GPS) coordinates of the site. The new site identification process also included a search and review of existing historical documentation.

Personnel from INEEL Waste Area Group (WAG) 10 and Cultural Resources re-investigated the site on June 6, 2001. They determined that due to the close proximity to the Mud Lake area, the site is likely related to domestic or agricultural activities. The debris includes a ketchup bottle; a metal pan; empty, rusted food cans; soda pop bottles; weathered wood; and an empty 55-gal drum. The large drum is open at both ends and slashes have been cut in its side. The top and bottom of the drum barrel could not be found within the vicinity of the site. No residuals were observed in the drum or in any other containers found at the site. There is no evidence to indicate that any of the debris found at the site was industrial in nature or related to INEEL operations. A 1950 Bonneville County Idaho license plate was found at the site. The plate enabled INEEL Cultural Resource personnel to date the debris as being post-1950. A follow-up visit to the site by INEEL Cultural resources in April, 2003, confirmed and documented the previous assessments (see Attachment B). Photographs were taken and annotated and are included in this document.

There is neither visual evidence of hazardous constituents, nor evidence that waste has recently been disposed of at this site. There is no evidence of disturbed vegetation, or stained or discolored soil. The ground surface shows well-established native grasses and sagebrush. The description of the site conditions is based on recent site investigations and INEEL Cultural Resource research; no field screening or sample data exist for this site.

DECISION RECOMMENDATION

II. SUMMARY - Qualitative Assessment of Risk:

There is neither evidence that a source of contamination exists at this site, nor is there empirical, circumstantial or other evidence of contaminant migration. The reliability of information provided in this report is high. Field investigations by Cultural Resource personnel, and the examination of photographs revealed no visual evidence of hazardous substances that may present a danger to human health or the environment. Therefore, the overall qualitative risk at Site 009 is considered low.

III. SUMMARY - Consequences of Error:

False negative error:

The possibility of contaminant levels at this site being above risk-based limits is remote. Field surveys and visual observations of the debris and surface soil showed no evidence of hazardous constituents, stained soil, odors, loss of vegetation, fibrous materials, or other indications of contamination.

False positive error:

If further action were completed at this low risk site, funds could exceed the environmental benefit. Surface soil sampling and analysis for organic compounds, metals, radionuclides and other hazardous constituents would be needed to confirm the presence or absence of contamination. Based on existing information, there is no need for further action at this site.

IV. SUMMARY - Other Decision Drivers:

INEEL Cultural Resource personnel determined that this site is a small trash pile, likely resulting from domestic or agricultural activities near the Mud Lake area. Due to the age of the artifacts found at the site, it may be considered an Idaho State Historic Preservation Office (SHPO) site. Prior to completing any further field investigations, screening, or sampling, a pedestrian inventory would need to be conducted to (a) identify and evaluate cultural properties within the area of potential effects for cleanup activities; (b) conduct a preliminary assessment of the potential impact of cleanup on any identified properties; and (c) develop preliminary avoidance strategies or data recovery plans if necessary to avoid any adverse effects.

Recommended Action:

It is recommended that this newly identified site be classified as No Action. Field investigations, interviews with personnel having historical knowledge of the area, and photographs indicate it is highly unlikely that hazardous or radioactive materials were generated or disposed of at this site. It is located in a remote, abandoned area with no viable pathways or receptors. Test Area North (TAN) is the closest facility (located approximately 6 mi to the west), and Mud Lake is the closest residential area (located approximately 6 mi to the east). There is nothing present at this site that would indicate evidence of contaminant migration, or historical or threatened release of hazardous substances, pollutants, or contaminants. There is no evidence that the debris is related to INEEL operations. This site is similar to several other small domestic trash piles across the INEEL containing domestic or agricultural waste that does not pose a potential risk to human health or the environment.

Signatures:	# Pages: 37	Date:
Prepared By: Wendell Jolley	DOE WAG Manager:	
Approved By: <i>Michael P. Hahn</i>	Independent Review: <i>Doug S. Vandel</i>	

DECISION STATEMENT
(DOE RPM)

Site 009 / 00-10-08

Date Received: 8/24/04

Disposition: No Action is appropriate for this small domestic trash pile that poses no threat to human health or the environment

Date: 9/3/04

Pages: 1

Name: Kathleen E. Hain

Signature: Kathleen E Hain

DECISION STATEMENT
(EPA RPM)

Date Received:

Disposition: Agree with the classification of
No Action for site ID # 009.

Date: 4-28-04

Pages:

Name: Dennis Faulk

Signature: 

**DECISION STATEMENT
(IDEQ RPM)**

Date Received: April 22, 2004

Disposition:

Site #009

This site consists of a small debris pile that is attributed to domestic or agricultural activities located near Mud Lake about 6 miles east of Test Area North. The debris is attributed to post 1950. DEQ concurs that this site appears unrelated to INEEL activities and that the debris does not pose a threat to human health or the environment. DEQ concurs this is a No Action site.

Date: Daryl F. Koch

Pages:

37

Name: April 29, 2004

Signature:

Daryl F. Koch

DETERMINATION

The U.S Department of Energy, U.S Environmental Protection Agency Region 10, and Idaho Department of Environmental Quality have completed the review of the referenced information for Miscellaneous Site 009 in Operable Unit 10-08 as it pertains to the INEEL Federal Facility Agreement and Consent Order of 1991. Based on this review, the Parties have determined that No Action for purposes of study or investigation should be initiated.

Brief summary of the basis for the action:

*see Decision Statement pages
Pg #'s 3, 4, and 5
for signatures*

References:

DOE Project Manager _____ Date _____

EPA Project Manager _____ Date _____

IDEQ Project Manager _____ Date _____

PROCESS/WASTE WORKSHEET		PROCESS: <u>Debris South of Highway 33, East of TAN</u> WASTE: <u>Domestic/Agricultural Debris</u>	
ID: <u>009</u>		Col 1 Processes Associated With this Site	Col 2 Waste Description & Handling Procedures
		Col 3 Description & Location of any Artifacts/Structures/Disposal Areas Associated with this Waste or Process	
Debris pile containing materials discarded from domestic or agricultural activities.		Small domestic/agricultural refuse pile, likely abandoned by local residents within a post-1950 timeframe.	<p>Artifact: Domestic/agricultural debris</p> <p>Location: The site is located about 0.3 mi before mile marker 39, 450 yd south of Highway 33, and 6 mi east of the TAN facility. The site is approximately 6 mi west of Mud Lake, which is the closest population center.</p> <p>Description: Site 009 is a small trash pile, likely related to domestic or agricultural activities. The debris includes a ketchup bottle; a metal pan; empty, rusted cans; soda pop bottles; weathered wood; and an empty 55-gal drum. The top and bottom of the drum has been cut out and there are slashes in the drum's sides. In addition, a Bonneville County Idaho license plate dated 1950 was found at the site.</p>

CONTAMINANT WORKSHEET SITE ID: 009 PROCESS: <u>Debris South of Highway, 33 East of TAN</u> WASTE: <u>Domestic/Agricultural Debris</u>					
Col 4 What Known/Potential Hazardous Substance/Constituents Are Associated with this Waste or Process?	Col 5 Potential Sources Associated with this Hazardous Material	Col 6 Known/Estimated Concentration of Hazardous Substances/Constituents	Col 7 Risk-based Concentration	Col 8 Qualitative Risk Assessment (hi/med/low)	Col 9 Overall Reliability (high/med/low)
None	Soil	None	Not Applicable	Low	High

QUALITATIVE RISK AND RELIABILITY EVALUATION TABLE			
	QUALITATIVE RISK		
	Low	Medium	High
highly unreliable	TRACK 2		
highly reliable	<div> <div></div> <div>No Action Required</div> </div>	<div> <div></div> <div>RIFS</div> </div>	<div> <div></div> <div>Interim Action*</div> </div>
reliability	LOW concentration resulting in risk < 10 ⁻⁶	MEDIUM	HIGH concentration resulting in risk > 10 ⁻⁴
	qualitative risk		

■ Risk from shallow injection well

Question 1. What are the waste generation processes, locations, and dates of operation associated with this site?

Block 1 Answer:

Site 009 is a small debris pile, likely related to domestic or agricultural activities. The site is located near Mud Lake, Idaho, south of Highway 33 and 6 mi east of the Test Area North (TAN) facility. The debris includes a ketchup bottle; a metal pan; empty, rusted cans; soda pop bottles; weathered wood; and an empty 55-gal drum. The drum barrel is open on both ends and has slashes in the sides. No residuals were found in the drum or in any other containers at the site. A Bonneville County Idaho license plate dated 1950 was found. The plate allowed INEEL Cultural Resources to date this site to a post-1950 timeframe.

Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.

Field investigations by INEEL Cultural Resource and Environmental Restoration Environmental Safety and Health (ER ES&H) personnel revealed that the site is a trash dump, likely domestic or agricultural in nature. The materials found at the site pose no potential risk to human health or the environment.

Block 3 Has this INFORMATION been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.

Field investigations were conducted by ER ES&H personnel, and INEEL Cultural Resource personnel. The archeologist confirmed that the debris is domestic or agricultural. Photographs confirm the types of debris present and current condition at the site.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
Current process data	<input type="checkbox"/>	Q.A. data	<input type="checkbox"/>
Photographs	<input checked="" type="checkbox"/> 3	Safety analysis report	<input type="checkbox"/>
Engineering/site drawings	<input type="checkbox"/>	D&D report	<input type="checkbox"/>
Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 2. What are the disposal processes, locations, and dates of operation associated with this site? How was the waste disposed?

Block 1 Answer:

INEEL WAG 10 and Cultural Resource personnel visited this site June 6, 2001, and re-visited it again in April 2003. Site 009 was determined to be a domestic or agricultural trash pile dating to the post-1950 timeframe. The site is located within the boundaries of the INEEL, approximately 0.3 mi before mile marker 39 and 450 yd south of Highway 33. A dirt track that leads to the site begins just west of the 600 East and Highway 33 intersection. Mud Lake is the closest residential area (located approximately 6 mi to the east) and TAN is the closest INEEL facility (located approximately 6 mi west of the site).

**Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.**

Field investigations conducted by INEEL Cultural Resource personnel confirmed that this site is a domestic/agricultural trash dump, is unrelated to INEEL operations, and poses no threat to human health or the environment.

**Block 3 Has this INFORMATION been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.**

Interviews and site investigations confirm that the site is a domestic/agricultural trash pile from the post-1950 timeframe. Photographs confirm the types of debris and current condition at the site.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
Current process data	<input type="checkbox"/>	Q.A. data	<input checked="" type="checkbox"/>
Photographs	<input checked="" type="checkbox"/> 3	Safety analysis report	<input type="checkbox"/>
Engineering/site drawings	<input type="checkbox"/>	D&D report	<input type="checkbox"/>
Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 3. Is there evidence that a source exists at this site? If so, list the sources and describe the evidence.

Block 1 Answer:

There is no evidence that a source exists at Site 009. There is no evidence of hazardous constituents, disturbed vegetation, stained or discolored soil, or odors. During a June 6, 2001 site survey conducted by INEEL WAG 10 and Cultural Resource personnel, it was noted that a 55-gal drum was included in the trash, along with other empty cans and bottles. The top and bottom of the drum barrel were cut out and there were slashes in the sides of the drum. No residuals were found in the drum or any of the other containers found at the site.

**Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.**

Site investigations conducted by INEEL WAG 10 and Cultural Resource personnel revealed that the site is a domestic dumpsite. The debris left there is unrelated to INEEL activities and poses no threat to human health or the environment.

**Block 3 Has this information been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.**

Interviews and site investigations confirm that the site is a domestic/agricultural trash pile from the post-1950 timeframe. Photographs confirm the types of debris and current condition at the site.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
Current process data	<input type="checkbox"/>	Q.A. data	<input type="checkbox"/>
Photographs	<input checked="" type="checkbox"/> 3	Safety analysis report	<input type="checkbox"/>
Engineering/site drawings	<input type="checkbox"/>	D&D report	<input type="checkbox"/>
Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 4. Is there empirical, circumstantial, or other evidence of migration? If so, what is it?

Block 1 Answer:

There is no visual evidence of migration at Site 009. Site investigations reveal no visual evidence of hazardous constituents; disturbed, stained, or discolored soil areas; or odors. The vegetation appears to be well established. It has been determined that this site contains domestic debris. A June 6, 2001 site survey conducted by INEEL WAG 10 and Cultural Resource personnel determined that the debris is post-1950, based on the 1950 license plate, but is likely more than 40 years old due to the weathered condition of the debris. During the survey it was determined that a 55-gal drum and the other containers, including a ketchup bottle, cans, and soda pop bottles, contained no observable residual material. The debris is not likely related to INEEL operations.

Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.

Visual site inspections and photographs of the site show that vegetation is well established, and thus give no indication of disturbance or the presence of contaminants.

Block 3 Has this information been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.

This information was confirmed through site inspections during a 1994 environmental baseline assessment and INEEL WAG 10 and Cultural Resource investigations. Photographs taken of the site show well-established vegetation.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
Current process data	<input type="checkbox"/>	Q.A. data	<input type="checkbox"/>
Photographs	<input checked="" type="checkbox"/> 3	Safety analysis report	<input type="checkbox"/>
Engineering/site drawings	<input type="checkbox"/>	D&D report	<input type="checkbox"/>
Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 5. Does site operating or disposal historical information allow estimation of the pattern of potential contamination? If the pattern is expected to be a scattering of hot spots, what is the expected minimum size of a significant hot spot?

Block 1 Answer:

There is no expected pattern of potential contamination because there is no evidence of hazardous substances at the site. There is no evidence of stained or discolored soil in the area, odors, or visual evidence of disturbed vegetation. The debris has been determined to be domestic in nature and unrelated to INEEL activities. The pattern for other hazardous constituents (organics, metals, radionuclides, etc.) cannot be estimated without further field screening or soil sampling beneath and around the drum and other empty containers. Because of the age and weathered condition of the debris, it is highly unlikely that these contaminants would be present at levels above risk-based limits.

**Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.**

This information was obtained from an environmental baseline assessment conducted in 1994, and from a subsequent site investigation conducted by INEEL Cultural Resource personnel. The investigations reveal that the debris is domestic/agricultural in nature and likely from the post-1950 timeframe. Photographs indicate that the soil is not stained or discolored and vegetation near the debris is well established.

**Block 3 Has this information been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.**

This information was confirmed through site inspections, photographs, and INEEL Cultural Resource historical research.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
Current process data	<input type="checkbox"/>	Q.A. data	<input type="checkbox"/>
Photographs	<input checked="" type="checkbox"/> 3	Safety analysis report	<input type="checkbox"/>
Engineering/site drawings	<input type="checkbox"/>	D&D report	<input type="checkbox"/>
Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 6. Estimate the length, width, and depth of the contaminated region. What is the known or estimated volume of the source? If this is an estimated volume, explain carefully how the estimate was derived.

Block 1 Answer:

Site investigations and photographs indicate that Site 009 covers an area of approximately 50 ft by 50 ft. The debris consists of an empty 55-gal drum, a ketchup bottle, a metal pan, empty cans, soda pop bottles and weathered wood. An INEEL Cultural Resource investigation revealed that no residuals were found in the drum or any of the other containers. There is no evidence of a source at this site or a contaminated region to estimate because there is no evidence of hazardous or radioactive materials.

**Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.**

This information was obtained from an environmental baseline assessment conducted in 1994 and a subsequent site survey conducted by INEEL Cultural Resources. Neither the assessment nor the survey gave any indication that the debris contains anything that would cause potential contamination. Photographs of the area show that the vegetation is well established.

**Block 3 Has this INFORMATION been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.**

This information was confirmed through site inspections, interviews, photographs, and INEEL Cultural Resource historical research.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
Current process data	<input type="checkbox"/>	Q.A. data	<input type="checkbox"/>
Photographs	<input checked="" type="checkbox"/> 3	Safety analysis report	<input type="checkbox"/>
Engineering/site drawings	<input type="checkbox"/>	D&D report	<input type="checkbox"/>
Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 7. What is the known or estimated quantity of hazardous substance/constituent at this source? If the quantity is an estimate, explain carefully how the estimate was derived.

Block 1 Answer:

The estimated quantity of hazardous substances/constituents at this site is near zero, because there is no evidence of any hazardous or radioactive material present at Site 009. The site consists of debris that resulted from either domestic or agricultural activities, and has been dated post-1950. The debris is weathered and is unrelated to INEEL activities.

**Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.**

This information was obtained from an environmental baseline assessment, INEEL Cultural Resource investigations, and photographs. The site investigations revealed no visual evidence of contamination. Photographs taken in 1999 of the site show well-established vegetation, giving no indication of disturbance.

**Block 3 Has this INFORMATION been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.**

This information was confirmed through site inspections, photographs, and INEEL Cultural Resource historical research.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
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Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

Question 8. Is there evidence that this hazardous substance/constituent is present at the source as it exists today? If so, describe the evidence.

Block 1 Answer:

There is no evidence that a hazardous substance or constituent is present at levels that require action at this site. INEEL Cultural Resource personnel confirm that the debris present at the site is the result of domestic or agricultural activities. The small trash pile is estimated to be post-1950 debris.

**Block 2 How reliable are the information sources? ☒ High ☐ Med ☐ Low (check one)
Explain the reasoning behind this evaluation.**

This evaluation is based on interviews, site visitations, and photographs of the area. The site shows no soil staining, and the vegetation in and around the site appears to be well established. There is no evidence of hazardous constituents.

**Block 3 Has this INFORMATION been confirmed? ☒ Yes ☐ No (check one)
If so, describe the confirmation.**

This information was confirmed through site inspections, INEEL Cultural Resource historical research, interviews, and photographs.

Block 4 Sources of Information [check appropriate box(es) & source number from reference list]

No available information	<input type="checkbox"/>	Analytical data	<input type="checkbox"/>
Anecdotal	<input checked="" type="checkbox"/> 2, 5	Documentation about data	<input type="checkbox"/>
Historical process data	<input type="checkbox"/>	Disposal data	<input type="checkbox"/>
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Unusual Occurrence Report	<input type="checkbox"/>	Initial assessment	<input checked="" type="checkbox"/> 4
Summary documents	<input type="checkbox"/>	Well data	<input type="checkbox"/>
Facility SOPs	<input type="checkbox"/>	Construction data	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		

REFERENCES

1. DOE-ID, 1992, *Track 1 Sites: Guidance for Assessing Low Probability Sites at the INEL*, DOE/ID-10340(92), Revision 1, U.S. Department of Energy Idaho Operations Office, July 1992.
2. Interview conducted by Marilyn Paarman; (subject) Ramona Donihoo, Environmental Baseline Assessment team member; February 6-7, 2001.
3. Photographs of Site 009: PD 030362-01, PD 030362-02, PD 030362-03, PD 030362-04, PD 030362-05, PD 030362-06.
4. INEEL company files, "FY 1999 WAG 10 Newly Identified Sites," Volumes I. and II.
5. Interviews conducted by Marilyn Paarman, (subject) Brenda Ringe Pace, INEEL Cultural Resources Management; February 7 and May 16, 2001.
6. DOE-ID, 1991, *Federal Facility Agreement and Consent Order for the Idaho National Engineering Laboratory*, Administrative Record No. 1088-06-29-120, U.S. Department of Energy Idaho Operations Office; U.S. Environmental Protection Agency, Region 10; Idaho Department of Health and Welfare, December 4, 1991.
7. MCP-3448, 2003, "Reporting Potentially Hazardous Sites," Revision 4, *Manual 8—Environmental Protection and Compliance*, April 2003.

Attachment A
Photographs of Site #009



Site 009, Debris East of TAN, South of Highway 33
(PD 030362-01)



Site 009, Debris East of TAN, South of Highway 33
(PD 030362-02)



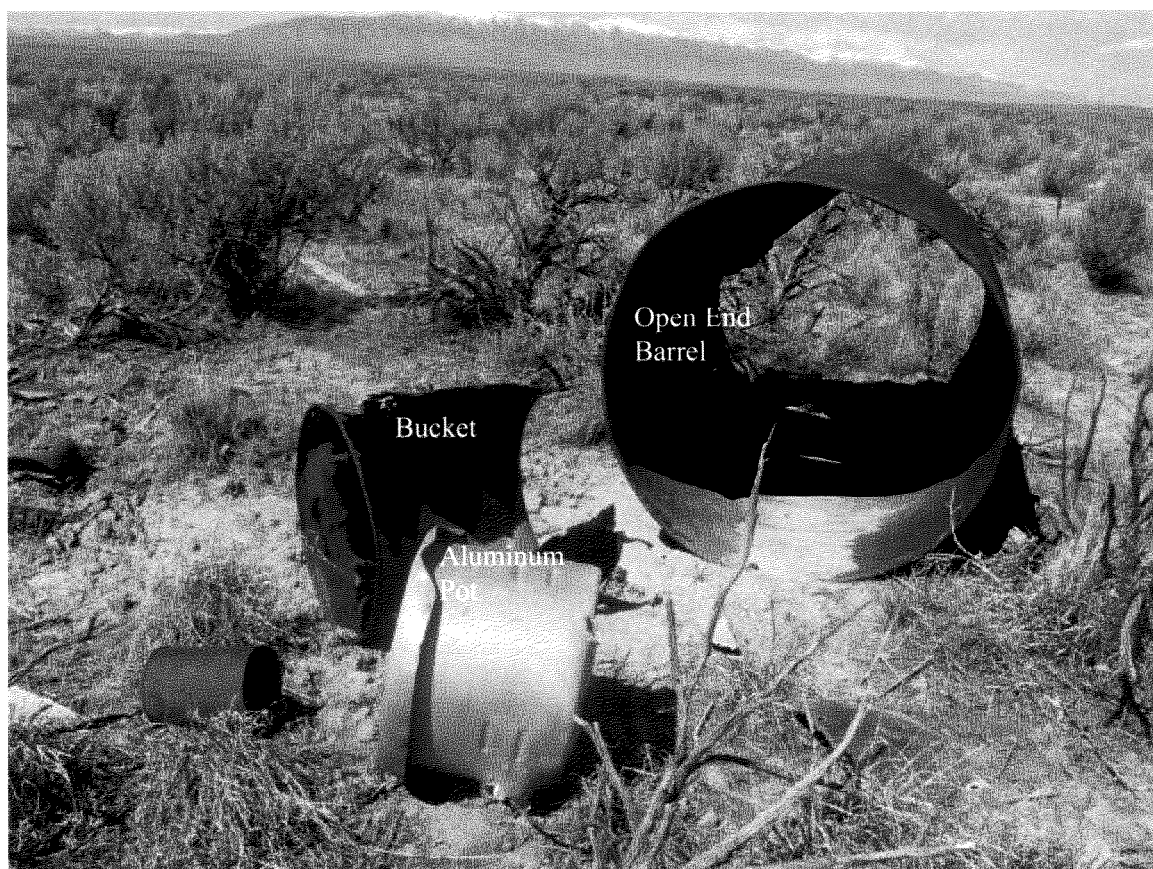
Site 009, Debris East of TAN, South of Highway 33
(PD 030362-03)



Site 009, Debris East of TAN, South of Highway 33
(PD 030362-04)



Site 009, Debris East of TAN, South of Highway 33
(PD 030362-05)



Site 009, Debris East of TAN, South of Highway 33
(PD 030362-06)

Attachment B

Supporting Information for Site #009

Archeologist's Notes

**Idaho National Engineering and Environmental Laboratory
Cultural Resource Management Office
Intermountain Antiquities Computer System**

SITE FORM

Part A – Administrative Data

1. State No.: 10-JF- 2. Agency No.: n/a 3. Temp No. BBWI-03-17-01
4. State: Idaho County: Jefferson
5. Project: WAG 10 New Sites
6. Report No.: None
7. Site Name: New Site No. 009
8. Class: ☐ Prehistoric ☒ Historic ☐ Paleontologic ☐ Ethnographic
9. Site Type: Refuse Scatter
10. Elevation: 4785 ft. 11. UTM Grid Zone: 12 m E m N
12. NE 1/4 of SE 1/4 of NW 1/4 of Section 21 T. 6N R. 33E
13. Meridian: Boise
14. Map Reference: Antelope Butte, Idaho 7.5'
15. Aerial Photo: None
16. Location and Access: Access restricted by INEEL Security. Travel north from Idaho Falls on Interstate 15 to Sage Junction exit 143 (approximately 25 mi). Travel west on Hwy 28/33 through Mud Lake and Terreton and to the point where these Highways divide (approximately 16 mi). Continue on Hwy 33 approximately 3.9 mi further. Turn southwest on a dirt road directly across from Road 600 East. Travel approximately 1/2 mi on this gravel road to the site located to the northwest of the road.

17. Land Owner: Dept. of Energy/ Bureau of Land Management
18. Federal Administrative Units: Idaho National Engineering and Environmental Laboratory
19. Location of Curated Materials: Permanent: Idaho Museum of Natural History, Temporary: INEEL Cultural Resource Management Office, Idaho Falls, ID.

20. Site Description: Medium density scatter of domestic debris including cans (food, evaporated milk), bottles (bleach, aspirin, ketchup, preserves, pickle, fruit, cosmetic, beverage), and a few ceramic fragments. One portion of the debris scatter appears to have been burned and a possible 55-gallon burn barrel is present. The site is located in a flat and topographically featureless area convenient to Hwy 33.

21. Site Condition: ☒ Excellent (A) ☐ Good (B) ☐ Fair (C) ☐ Poor (D)
22. Impact Agent(s): None

23. National Register Status ☐ Significant (C) ☐ Non-Significant (D) ☒ Unevaluated (Z)
Justify: Unbroken bottles and variety of other items could provide background on domestic activities during the period from 1933 – 1965.

24. Photos: Digital photos (03-17-01-01 through 07)
25. Recorded by: B. R. Pace
26. Survey Organization: INEEL CRM Office 28. Survey Date: April 11, 2003
27. Assisting Crew Members: Jack Dittman

Part A – Environmental Data

Site No.(s) 10-JF-

BBWI-03-17-01

29. Slope: None o Aspect: None o
 30. Distance to Permanent Water: 150 (x 100 meters)
 *Type of Water Source ☐ Spring/Seep (A) ☐ Stream/River (B) ☒ Lake (C) ☐ Other (D)

31. Geographic Unit: Mud Lake

32. Topographic Location:

PRIMARY LANDFORM

- ☐ Mountain Spine (A)
☐ Hill (B)
☐ Mesa (C)
☐ Ridge (D)
☐ Valley (E)
☒ Plain (F)
☐ Canyon (G)
☐ Island (H)

- ☐ Alluvial Fan (A)
☐ Alcove/Shltr (B)
☐ Arroyo (C)
☐ Basin (D)
☐ Cave (E)
☐ Cliff (F)
☐ Delta (G)
☐ Monolith (H)

SECONDARY LANDFORM

- ☐ Dune (I)
☐ Floodplain (J)
☐ Ledge (K)
☐ Mesa/Butte (L)
☐ Playa (M)
☐ Port Fea (N)
☒ Plain (O)
☐ Ridge/Knoll (P)

- ☐ Slope (Q)
☐ Terrace/Bench (R)
☐ Talus Slope (S)
☐ Island (T)
☐ Outcrop (U)
☐ Bog (V)
☐ Valley (W)
☐ Cutbank (X)

- ☐ Riser (Y)
☐ Multiple (1)
☐ Bar (2)
☐ Lagoon (3)
☐ Eph Wash (4)
☐ Kipuka (5)
☐ Saddle/Pass (6)
☐ Graben (7)

Describe: The site is located on a level plain with localized sand dunes. Flat and featureless area is the dry bed of ancient Lake Terreton

33. On-Site Depositional Context:

- ☐ Fan (A)
☐ Talus (B)
☐ Dune (C)
☐ Stream Terrace (D)
☐ Playa (E)

- ☐ Outcrop (Q)
☐ Extinct Lake (F)
☐ Extant Lake (G)
☐ Alluvial Plain (H)
☐ Colluvium (I)

- ☐ Moraine (J)
☐ Flood Plain (K)
☐ Marsh (L)
☐ Landslide/Slump (M)
☐ Delta (N)

- ☐ Desert Pavement (P)
☐ Stream Bed (R)
☒ Aeolian (S)
☐ None (T)
☐ Residual (U)

Description of Soil: Sandy silt with concentrations of fine sand

34. Vegetation:

*a. Life Zone:

- ☐ Arctic-Alpine (A) ☐ Hudsonian (B) ☐ Canadian (C) ☐ Transitional (D)
☒ Upper Sonoran (E) ☐ Lower Sonoran (F)

*b. Community:

Q	Primary On-Site	M	Secondary On-Site	M	Surrounding Site
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- | | | | |
|--------------------|-------------------------|--------------------------|--------------------|
| Aspen (A) | Other/Mixed Conifer (G) | Grassland/Steppe (M) | Marsh/Swamp (S) |
| Spruce-Fir (B) | Pinyon-Juniper (H) | Desert Lake Shore (N) | Lake/Reservoir (T) |
| Douglas Fir (C) | Wet Meadow (I) | Shadescale Community (O) | Agricultural (U) |
| Alpine Tundra (D) | Dry Meadow (J) | Tall Sagebrush (P) | Blackbrush (V) |
| Ponderosa Pine (E) | Oak-Maple Shrub (K) | Low Sagebrush (Q) | Mountain Brush (W) |
| Lodgepole Pine (F) | Riparian (L) | Barren (R) | Juniper-Sage (2) |

Describe: low sage and bunch grasses

35. Miscellaneous Text

36. Comments/Continuations

List of Attachments

- ☐ Part B ☐ Topo Map ☐ Photos ☐ Continuation Sheets
☒ Part C ☐ Site Sketch ☐ Artifact/Feature Sketch ☐ Other:

1. Site Type: Refuse Scatter2. Historic Theme(s): Domestic activities, agriculture

3. Culture

	CULTURAL AFFILIATION	DATING METHOD	CULTURAL AFFILIATION	DATING METHOD
Method	European/American	DIAGNOSTIC ARTIFACTS		

Describe: cans, glass, license plates4. Oldest Date: 1920s Recent Date: 1950sHow Determined?: Oldest date: cans, recent date: bottles (Coca Cola, Wonder Bubbles).5. Site Dimensions: 20 m by 20 m *Area: 400 sq. m6. Surface Collection/Method: ☒ None (A) ☐ Designed Sample (C)
☐ Grab Sample (B) ☐ Complete Collection (D)Sampling Method: No collection.7. Estimated Depth of Cultural Fill: ☒ Surface (A) ☐ 20 – 100 cm (C) ☐ Fill noted but unknown (E)
☐ 0 – 20 cm (B) ☐ 100 cm+ (D) ☐ Depth Suspected (F)How Estimated? (If tested, show location on site map) N/A8. Excavation Status: ☐ Excavated (A) ☐ Tested (B) ☒ Unexcavated (C)Testing Method: N/A

9. Summary of Artifacts and Debris:

<input checked="" type="checkbox"/> Glass (GL)	<input checked="" type="checkbox"/> Bone (BO)	<input type="checkbox"/> Leather (LE)	<input type="checkbox"/> Ammo (AM)	<input checked="" type="checkbox"/> Domestic Items (DI)
<input checked="" type="checkbox"/> Metal (ME)	<input checked="" type="checkbox"/> Ceramics (CS)	<input checked="" type="checkbox"/> Wire (WI)	<input checked="" type="checkbox"/> Wood (WD)	<input checked="" type="checkbox"/> Kitchen Utensils (KU)
<input type="checkbox"/> Nails (NC)	<input type="checkbox"/> Fabric (FA)	<input checked="" type="checkbox"/> Tin Cans (TZ)	<input type="checkbox"/> Rubber (RB)	<input type="checkbox"/> Car Parts (CR)

Describe: The site is a moderately sized refuse scatter with cans, glass, ceramics, and other domestic items probably dating from the late 1940s to early 1950s. One portion of the site has been intentionally burned. Tin cans are modern "Sanitary" cans in a variety of sizes and shapes (coffee, fruit/vegetable, juice, meat, beverage, paint) as well as hole-in-top milk cans. Openings included church key, key-opened (round), and but completely around. One large 55 gallon metal barrel, possibly used for burning, was also present and associated with refuse that had been burned. Other metal objects present included metal buckets, gardening tools, stove pipe, stove parts, tape dispenser, and license plates (Idaho, Bonneville County, 1950). Two aluminum items, one large lipped pot and the working parts to a coffeepot, were also identified. Milled wood is present along with shell and plastic buttons. Only two types of ceramic were identified. Glass items, including many unbroken bottles, were common. Drinking glasses and canning lids of glass were observed as well. A few bottles included plastic caps, and a plastic handle was also observed.

10. Ceramic Artifacts:

PASTE	GLAZE	DECOR	PATTERN	VESSEL FORMS		#
<u>white</u>	<u>green</u>	<u>none</u>	<u>none</u>	<u>plate</u>	<u>cup</u>	<u>6</u>
<u>white</u>	<u>white</u>	<u>stamped</u>	<u>floral</u>	<u>plate</u>		<u>1</u>

Estimated Number of Ceramic Trademarks None observed

Describe: Ceramics were limited in this assemblage. Only seven sherds of two types were observed. The six fragments of green ceramic may be Fiesta Ware (new shades of green added in 1950s). Only one decorated fragment was identified, a stamped floral motif. No trademarks were present.

11. Glass Artifacts:

#	MANUFACTURE	COLOR	FUNCTION	TRADEMARKS	DECORATION
3	machine	amber	bleach	Purex	None
1	machine	white	cold cream	unknown	None
1	machine	clear	aspirin	Bayer	None
1	machine	aqua	soft drink	Coca-Cola	None
1	machine	clear	cosmetic	Wonder Bubbles	None
1	machine	clear	food	Hormel	None
1	machine	clear	medicine	ACE	Spade
1	machine	clear	Alka Seltzer	unknown	None
4	machine	clear	ketchup	unknown	None
1	machine	clear	pepper sauce	unknown	None
1	machine	white	canning lid	Presto	None

Estimated Number of Glass Trademarks: 10

Describe: Many unbroken bottles present. All are machine-made with screw caps of metal or plastic and crown caps of metal. Types included medicine, cosmetic/toiletry, and household (food, bleach, ketchup, vinegar, pickles, pepper sauce, soft drinks). One glass canning lid is also present.

12. Maximum Density - # / sq m (glass and ceramics): 30-50

13. Non-Architectural Features (locate on site map):

<input type="checkbox"/> Trail/Road (TR)	<input type="checkbox"/> Dump (DU)	<input type="checkbox"/> Earthen Dam (DA)	<input type="checkbox"/> Hearth/Campfire (HE)
<input type="checkbox"/> Mine Tailings (MT, ML)	<input type="checkbox"/> Depression (DE)	<input type="checkbox"/> Ditch (DI)	<input type="checkbox"/> Quarry (QU)
<input type="checkbox"/> Rock Alignment (RA)	<input type="checkbox"/> Cemetery/Burial (CB)	<input type="checkbox"/> Inscriptions (IN)	<input type="checkbox"/> Other (OT)

Describe: None observed

14. Architectural Features (locate on site map):

#	MATERIAL	TYPE	#	MATERIAL	TYPE

Describe: None observed

15. Comments/Continuations

Site Map

